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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/696,600

10/29/2003

Jeffrey F. Hatafsky

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6849

35690

7590

10/03/2008

MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C.

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EXAMINER

SHIBRU, HELEN

ART UNIT

PAPER NUMBER

2621

MAIL DATE

DELIVERY MODE

10/03/2008

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/696,600	<b>Applicant(s)</b> HATALSKY ET AL.	
	<b>Examiner</b> HELEN SHIBRU	<b>Art Unit</b> 2621	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 15 September 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-6,8-13 and 15-22 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-6,8-13 and 15-22 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)            | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>09/15/2008</u> .  | 6) <input type="checkbox"/> Other: _____                          |

**DETAILED ACTION**

***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 09/15/2008 has been entered.

***Response to Amendment***

2. The amendments, filed 01/108/2008, have been entered and made of record. Claims 7, 14 and 23-41 are cancelled and claim 1-6, 8-13, and 15-22 are pending. In view of Applicant's amendments to the drawings, the objection is hereby withdrawn.

***Response to Arguments***

3. Applicant's arguments with respect to claims 1-6, 8-13, and 15-22 have been considered but are moot in view of the new ground(s) of rejection.

***Claim Rejections - 35 USC § 103***

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 1-5, 8, 10-13, 15, and 17-22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bannai (US Pat. No. 5,412,486) in view of Lane (US Pat. No. 5,377,051).

Note to the Applicant: The USPTO considers the Applicant's "or" and "at least one of" languages to be anticipated by any reference containing one of the subsequent corresponding elements.

Regarding claim 1, Bannai discloses a video-editing system comprising: a storage medium storing therein frames of progressively-encoded video stream, each frame including corresponding frame data (see col. 7 lines 9-15); a processing element in data communication with the storage medium, a processing element in data communication with the storage medium, the processing element being configured to fetch a selected extent of frame data from the storage medium (see fig. 18, abstract, col. 7 line 41-67 where Lane teaches first images are reduced and second images are generated).

Claim 1 differs from Banni in that the claim further requires fetching a dynamically extent of the corresponding frame data for each of at least one of the frames in the video stream, including a first dynamically-determined extent of corresponding frame data for a first frame, wherein the first dynamically-determined extent is less than the entirety of the frame data for the first frame.

In the same field of endeavor lane discloses fetching a dynamically extent of the corresponding frame data for each of at least one of the frames in the video stream, including a first dynamically-determined extent of corresponding frame data for a first frame, wherein the first dynamically-determined extent is less than the entirety of the frame data for the first frame (see figure 11 and col. 53 lines 1-12 where Lane discloses the demodulator 401 generates 8 bits of data for every 10 bits of data received from heads 440). Note that the claim recites 'dynamically-determined extent' (*emphasis added*). Lane discloses generating 8 bits for every 10

bits. Therefore in light of the teaching in Lane it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify Banni by determining an extent dynamically where the extent is less than the frame data for the first frame in order to reduce an error.

Regarding claim 2, Bannai discloses the processing element comprises a decoder configure to transform the fetched frame data into a form suitable for display on a display device (see col. 5 lines 45-51, col. 8 lines 5-31 and fig. 1 units 3 and 9, see also Kazumasa solution where it discloses the images are displayed onto a monitor).

Regarding claim 3, Bannai discloses the processing element is configured to execute an editing process for receiving instructions specifying the selected extents (see col. 8 line 43-col. 9 line 35 see also rejection of claim 1 for the dynamically determined extents).

Regarding claim 4, Bannai discloses the processing element is configured to execute an editing process to the extents on the basis of traffic on a data transmission channel providing data communication between the processing element and the storage medium (see fig. 1 col. 7 line 56-col. 8 line 19 see also claim 1 rejection for the dynamically determined extents).

Regarding claim 5, Bannai discloses in response to detection of a pause in displaying the video stream, the processing element is configured to execute an editing process to fetch previously unfetched portions of the frame data for currently displayed frame (see col. 8 line 62-col. 9 line 23, and see also Lane col. 53 line 63-col. 54 line 25).

Regarding claims 8 and 15, the limitation of claims 8 and 15 can be found in claims 1 and 2. Therefore claims 8 and 15 are analyzed and rejected for the same reasons as discussed in

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claims 1 and 2. See also Lane's claim 6, col. 37, lines 29-33, and figure 9B, referring to displaying a video stream including the fetched frames).

Regarding claims 11 and 18, Bannai discloses receiving an instruction specifying a desired image quality (see col. 6 and see also claim 1 rejection above for dynamically determining); and selecting an extent consistent with the desired image quality (see cols. 7-9, and claim 1 rejection above).

Claims 10 and 12-13 are rejected for the same reason as discussed in claims 3-5 respectively above.

Claims 17 and 19-20 are rejected for the same reason as discussed in claims 3-5 respectively above.

Regarding claim 21, Lane discloses the dynamically-determined extents of the corresponding frame data for the at least one of the frames in the video stream include varying extents of frame data (see col. 53 lines 1-8).

Regarding claim 22, Lane discloses varying the extent of frame data fetched for different frames in the video stream (see col. 53 lines 1-12, the extent is varied, 10 bits is different from 8 bits).

6. Claims 6, 9 and 16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Banni in view of Lane and further and Official Notice.

Regarding claims 6, 9 and 16, Although the above combination fails to disclose the stored frame include wavelet-transform encoded data, Banni teaches filtering and subsampling fine-line

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edges. Official Notice is taken that it is well known in the art at the time the invention was made to provide frames containing wavelet-transform encoded data in order to extract edges.

***Conclusion***

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to HELEN SHIBRU whose telephone number is (571)272-7329. The examiner can normally be reached on M-F, 8:30AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, THAI Q. TRAN can be reached on (571) 272-7382. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/HELEN SHIBRU/  
Examiner, Art Unit 2621  
September 23, 2008

/Thai Tran/  
Supervisory Patent Examiner, Art Unit 2621

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